

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079321.D
 Acq On : 18 May 2015 23:39
 Operator : TP/IZ
 Sample : G2270-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19

Quant Time: May 19 01:58:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 01:26:54 2015
 Response via : Initial Calibration

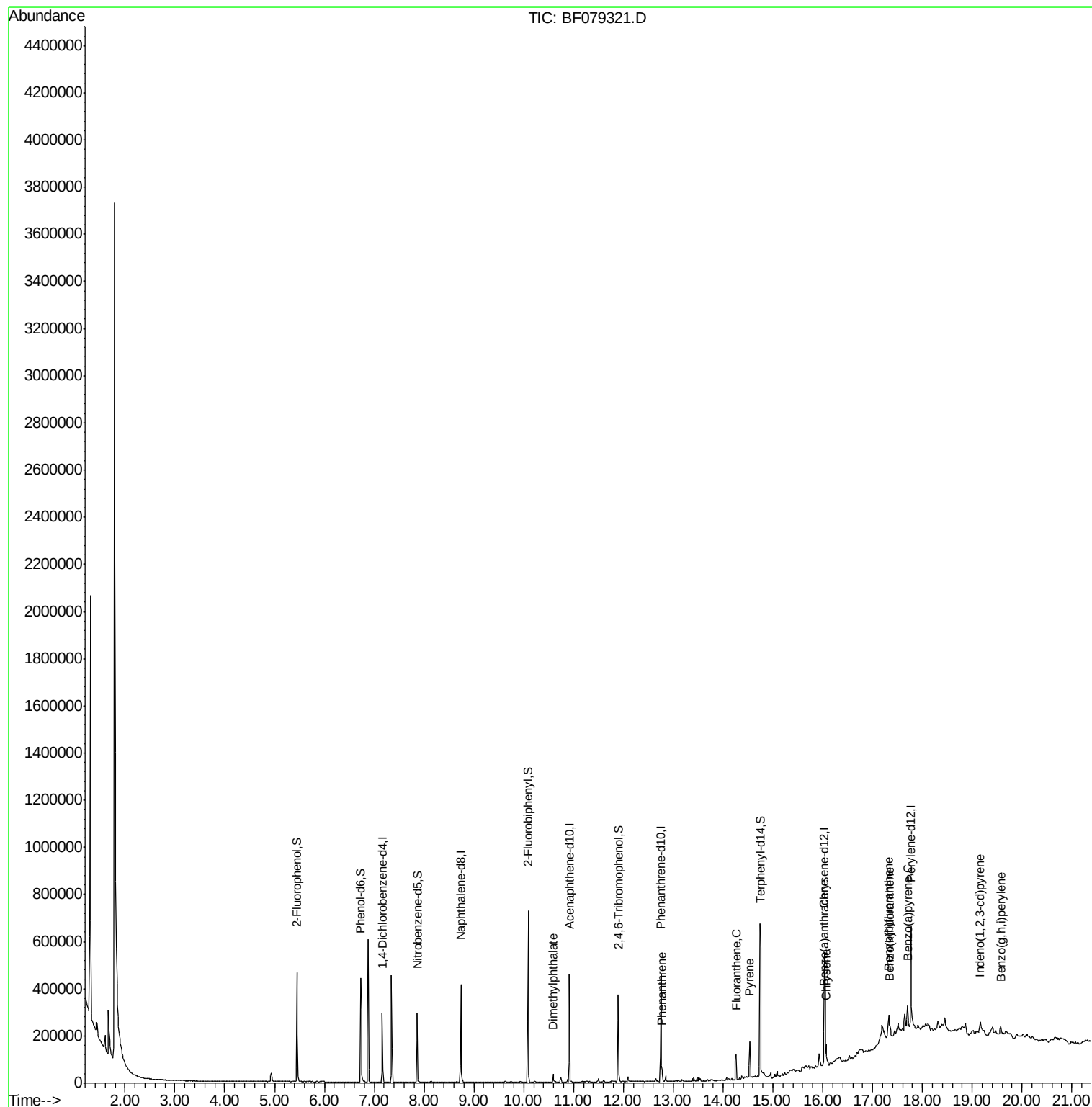
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	44524	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	183576	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	92372	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	172914	20.00	ng	0.00
75) Chrysene-d12	16.03	240	194857	20.00	ng	-0.02
86) Perylene-d12	17.77	264	203058	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	156487m	60.50	ng	0.00
7) Phenol-d6	6.73	99	204097	59.70	ng	-0.01
23) Nitrobenzene-d5	7.86	82	115662	36.21	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	60389	60.43	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	247199	37.28	ng	0.00
78) Terphenyl-d14	14.75	244	295097	36.26	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.59	163	14351	2.12	ng	99
70) Phenanthrene	12.78	178	24375	2.52	ng	96
74) Fluoranthene	14.26	202	60571	6.01	ng	92
77) Pyrene	14.54	202	64886	5.78	ng	97
80) Benzo(a)anthracene	16.02	228	41271	3.87	ng	# 80
82) Chrysene	16.07	228	34279	3.34	ng	93
85) Indeno(1,2,3-cd)pyrene	19.15	276	30058	2.30	ng	96
87) Benzo(b)fluoranthene	17.33	252	51559m	4.64	ng	
88) Benzo(k)fluoranthene	17.34	252	22974m	2.14	ng	
89) Benzo(a)pyrene	17.70	252	42402	4.14	ng	# 96
91) Benzo(a,h,i)perylene	19.58	276	30001	2.75	ng	# 91

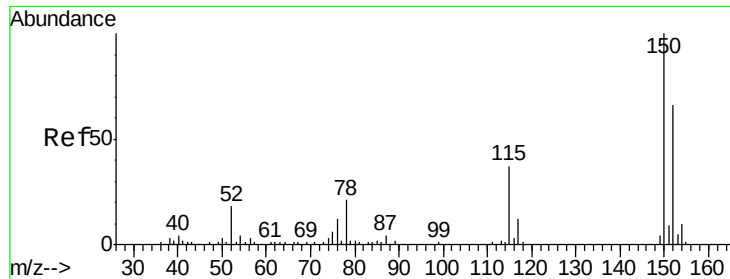
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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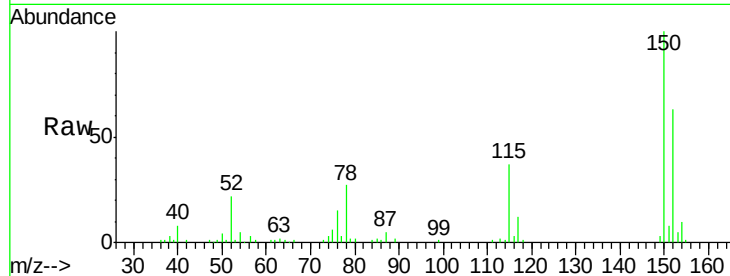




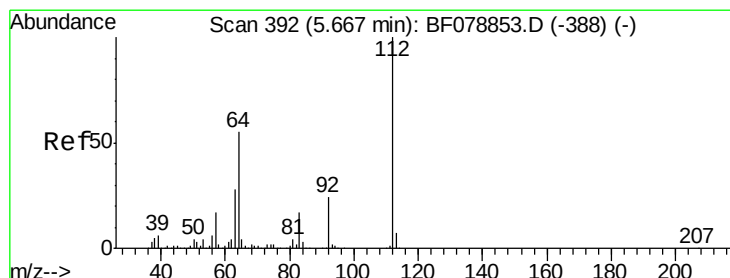
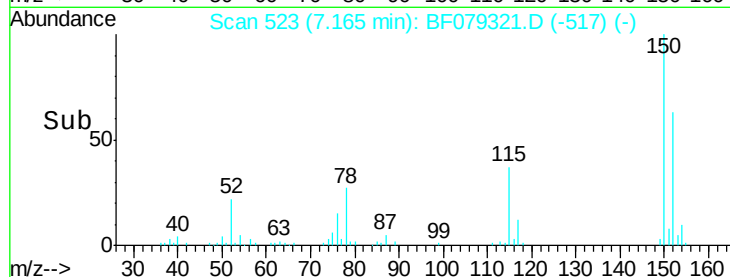
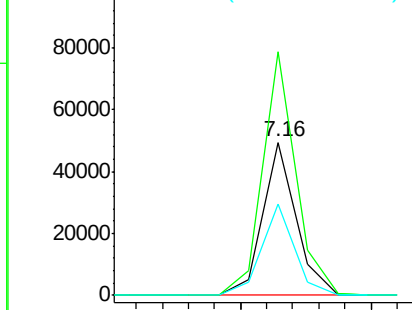
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079321.D
 Acq: 18 May 2015 23:39

Instrument :
 BNA_F
 ClientSampled :
 SB-19

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	123.8	185.8
115	59.5	49.4	74.0

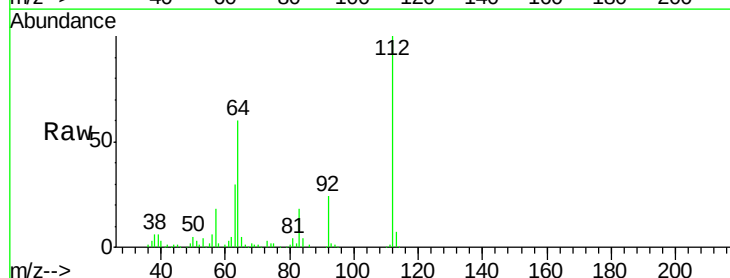


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

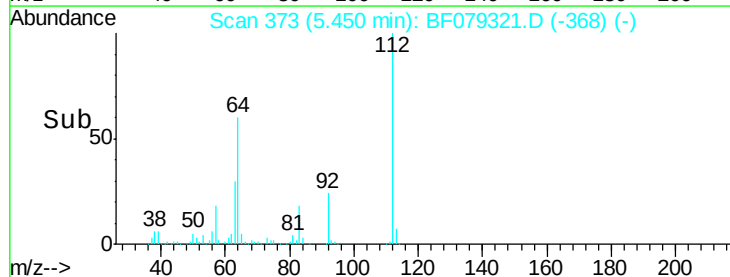
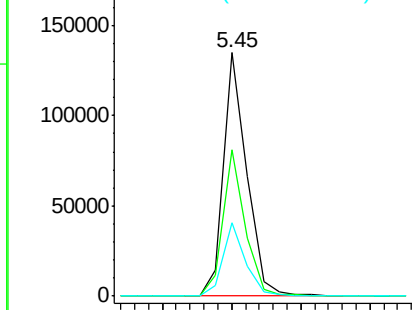


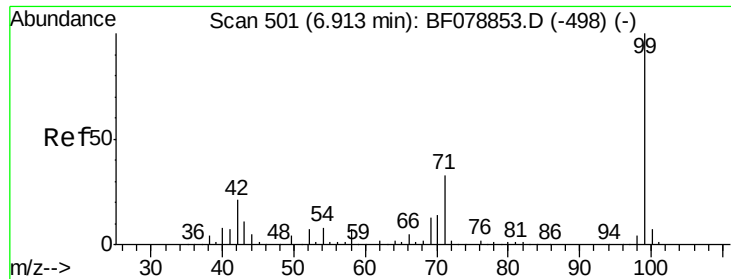
#5
 2-Fluorophenol
 Concen: 60.50 ng m
 RT: 5.45 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: BF079321.D
 Acq: 18 May 2015 23:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	44.2	66.2
63	29.9	22.7	34.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 59.70 ng

RT: 6.73 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Instrument :

BNA_F

ClientSampleId :

SB-19

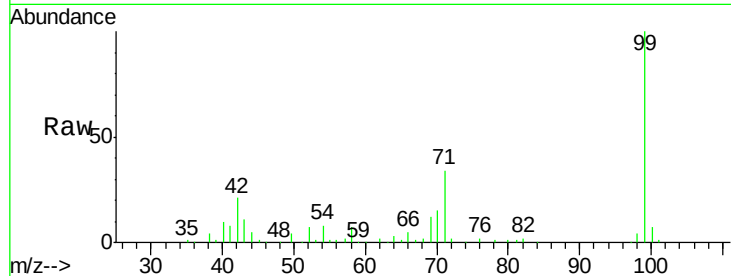
Tot Ion: 99 Resp: 204097

Ion Ratio Lower Upper

99 100

42 21.3 17.1 25.7

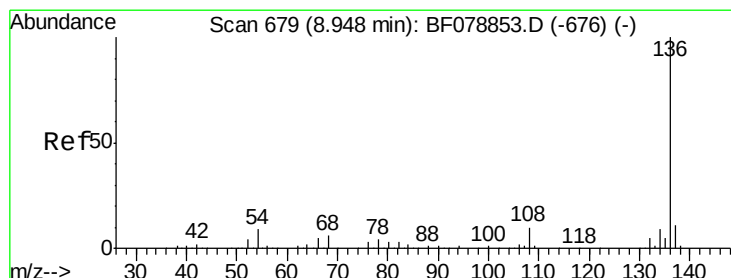
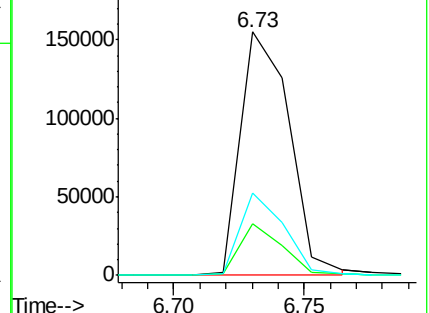
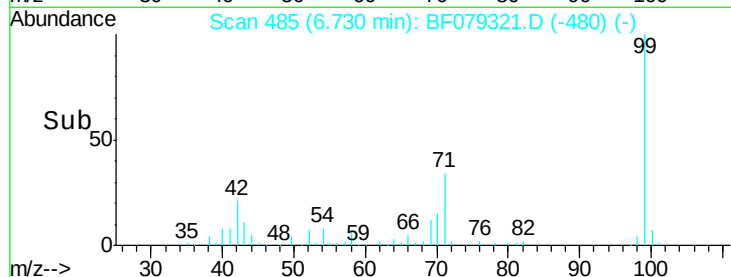
71 33.9 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Tgt Ion: 136 Resp: 183576

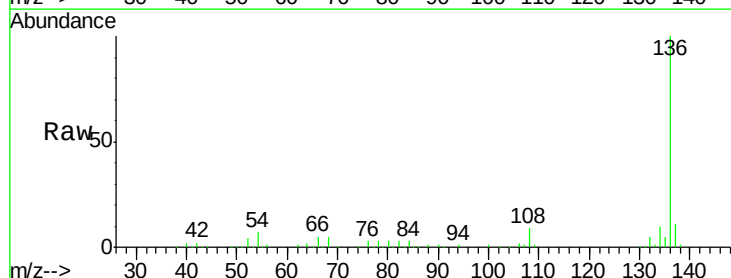
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.4 6.9 10.3

68 5.4 4.9 7.3

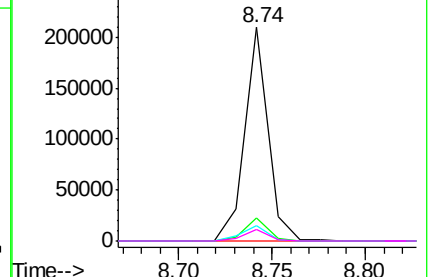
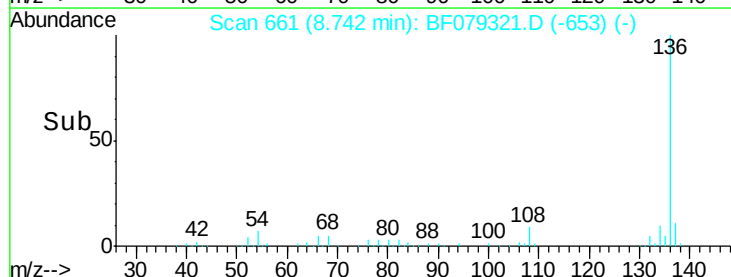


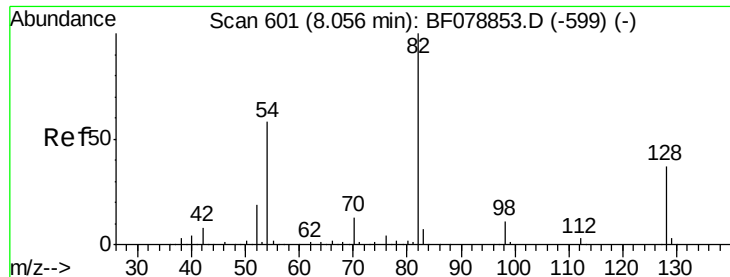
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 36.21 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Instrument :

BNA_F

ClientSampleId :

SB-19

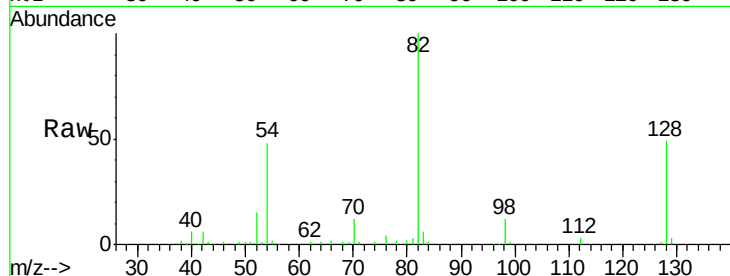
Tot Ion: 82 Resp: 115662

Ion Ratio Lower Upper

82 100

128 48.6 29.7 44.5#

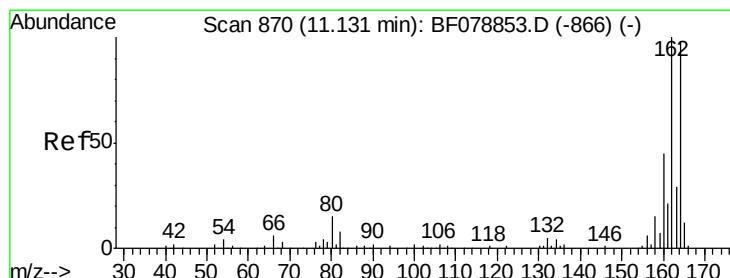
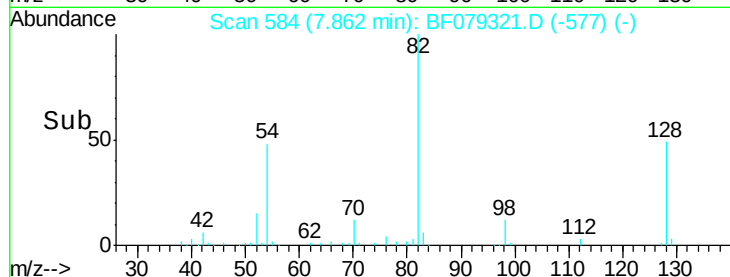
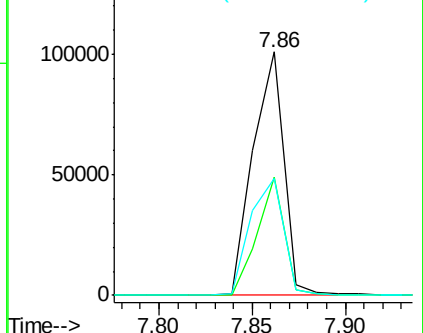
54 48.2 46.2 69.4



Abundance Ion 82.00 (81.70 to 82.70): BF078853.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BF078853.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-599) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.91 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

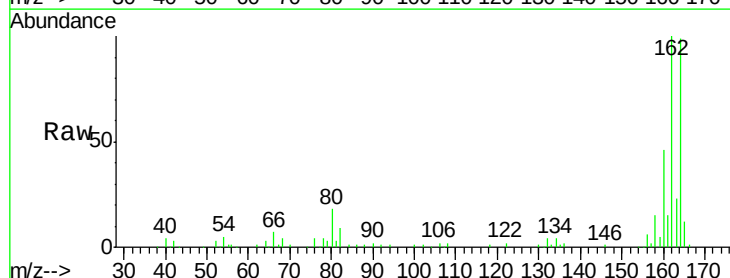
Tgt Ion: 164 Resp: 92372

Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

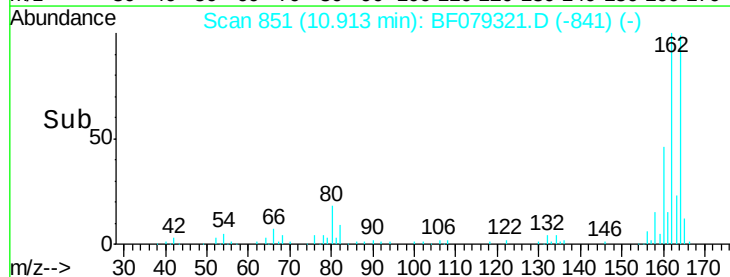
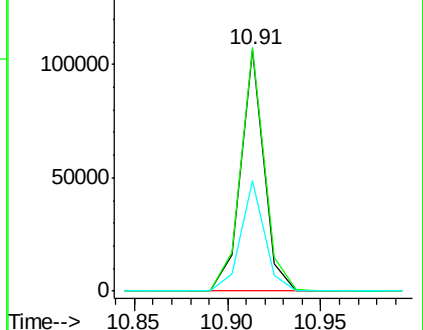
160 46.0 36.6 54.8

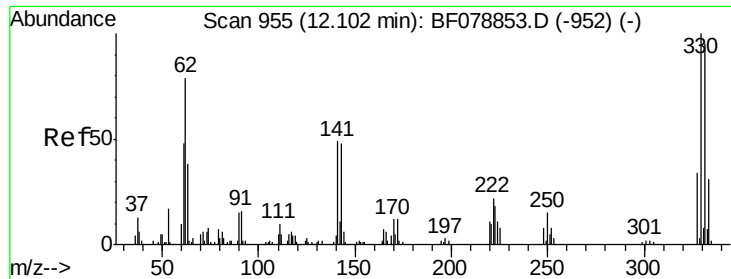


Abundance Ion 164.00 (163.70 to 164.70): BF078853.D (-866) (-)

Ion 162.00 (161.70 to 162.70): BF078853.D (-866) (-)

Ion 160.00 (159.70 to 160.70): BF078853.D (-866) (-)

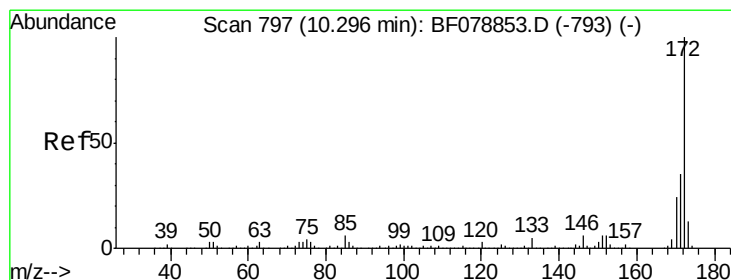
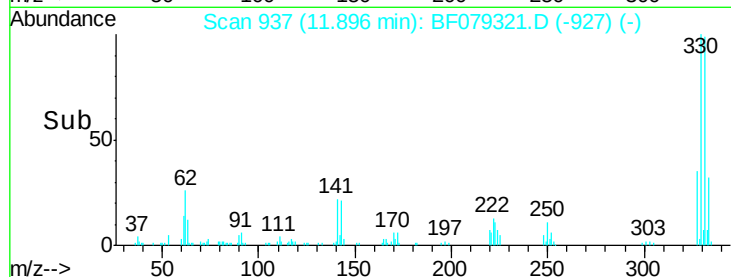
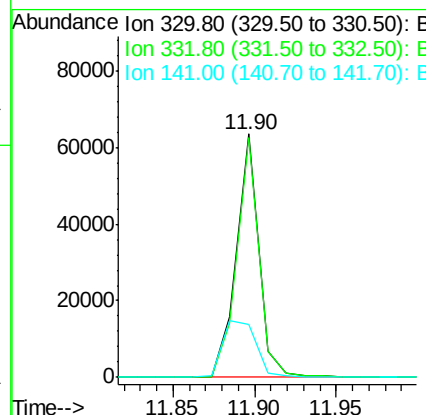
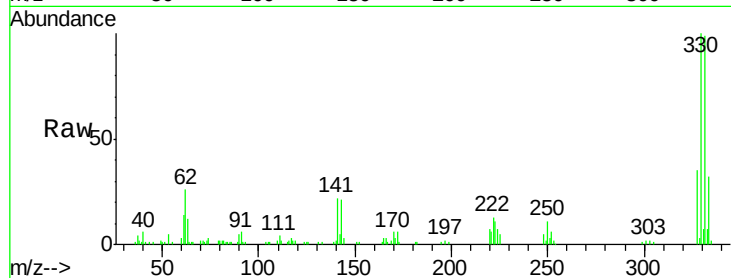




#41
 2,4,6-Tribromophenol
 Concen: 60.43 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF079321.D
 Acq: 18 May 2015 23:39

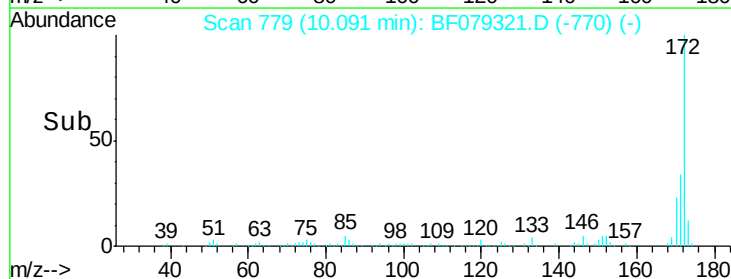
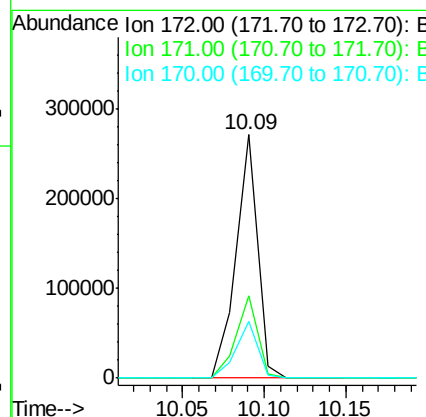
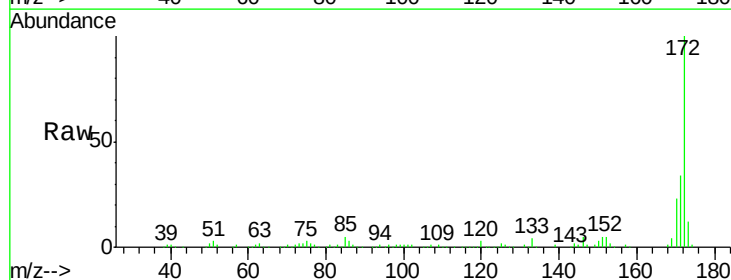
Instrument :
 BNA_F
 ClientSampleId :
 SB-19

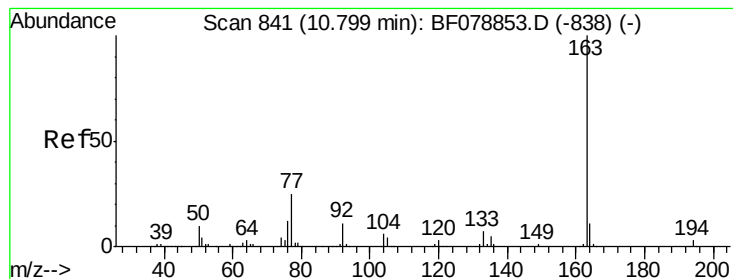
Tot Ion:330 Resp: 60389
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.9 115.3
 141 34.7 27.8 41.8



#44
 2-Fluorobiphenyl
 Concen: 37.28 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF079321.D
 Acq: 18 May 2015 23:39

Tgt Ion:172 Resp: 247199
 Ion Ratio Lower Upper
 172 100
 171 33.9 28.3 42.5
 170 23.2 19.4 29.2





#49

Dimethylphthalate

Concen: 2.12 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Instrument :

BNA_F

ClientSampleId :

SB-19

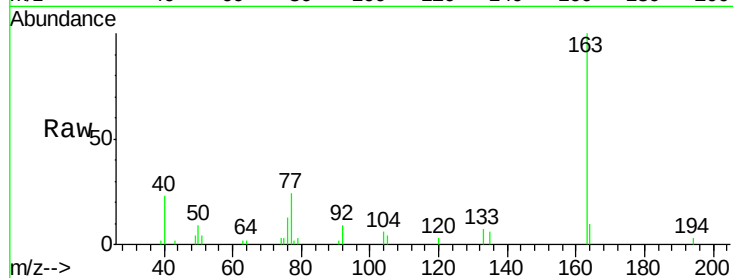
Tot Ion:163 Resp: 14351

Ion Ratio Lower Upper

163 100

194 2.6 2.4 3.6

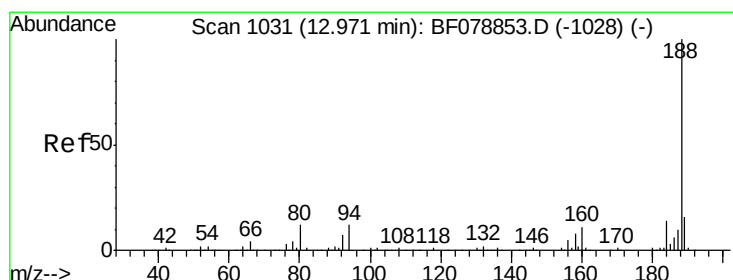
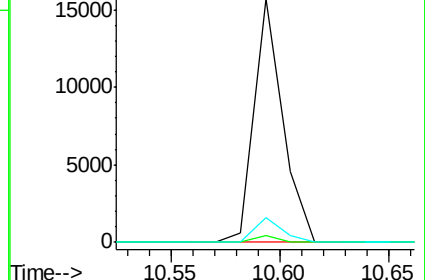
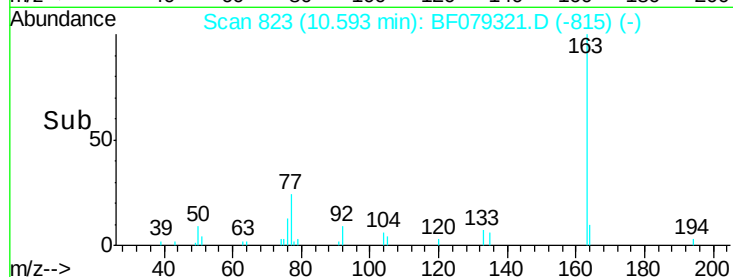
164 10.3 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.75 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

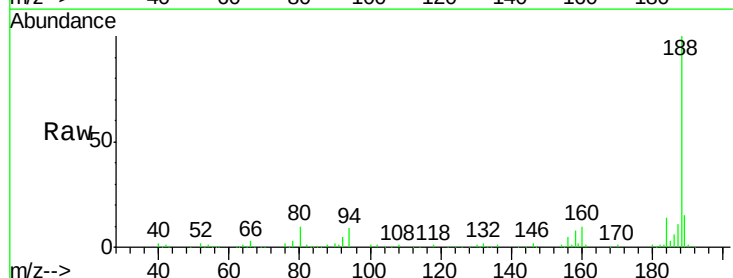
Tgt Ion:188 Resp: 172914

Ion Ratio Lower Upper

188 100

94 9.5 9.4 14.0

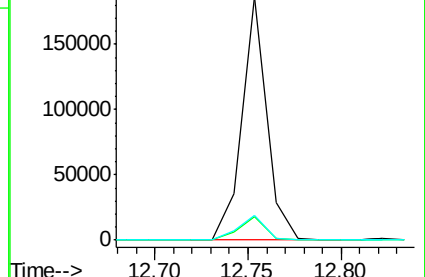
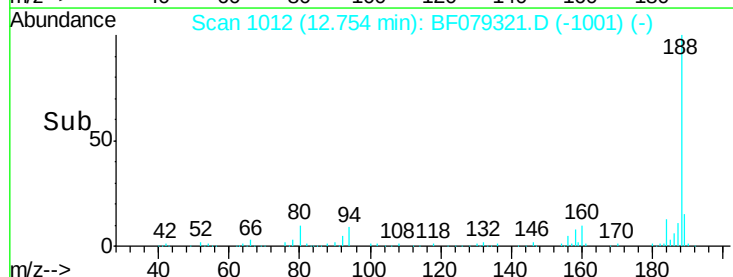
80 10.1 9.8 14.6

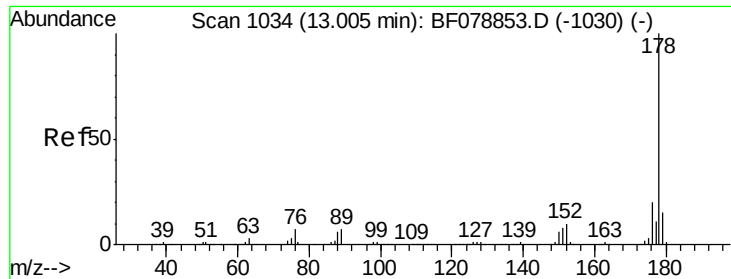


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.52 ng

RT: 12.78 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Instrument :

BNA_F

ClientSampleId :

SB-19

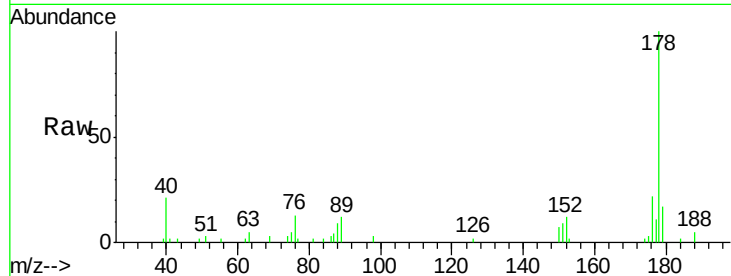
Tot Ion:178 Resp: 24375

Ion Ratio Lower Upper

178 100

176 21.7 15.9 23.9

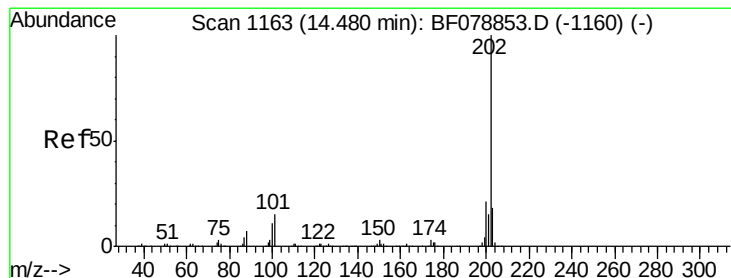
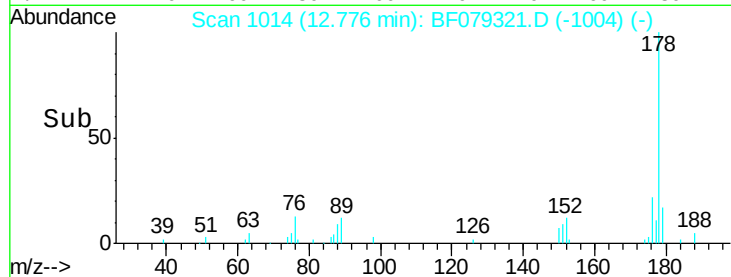
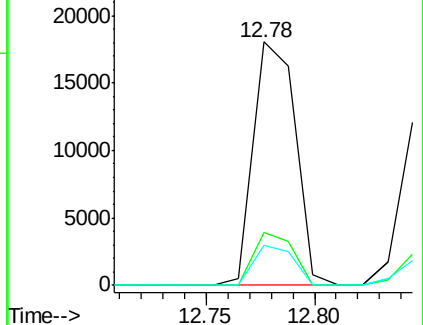
179 16.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.01 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

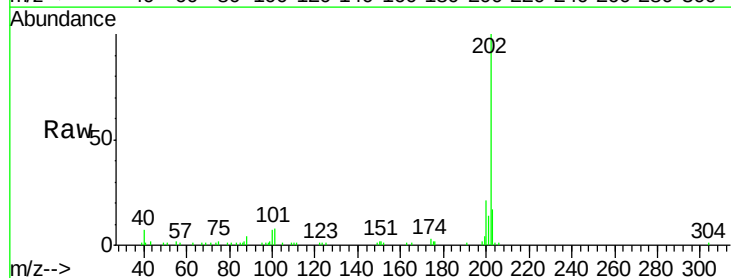
Tgt Ion:202 Resp: 60571

Ion Ratio Lower Upper

202 100

101 8.3 0.0 34.7

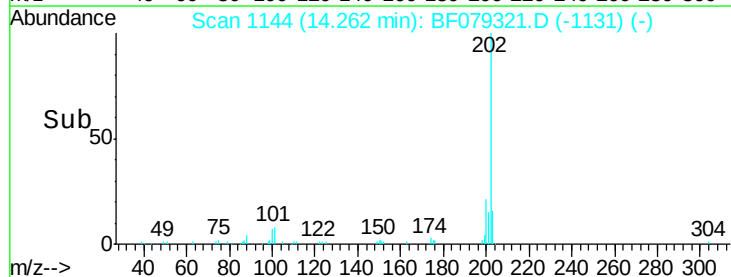
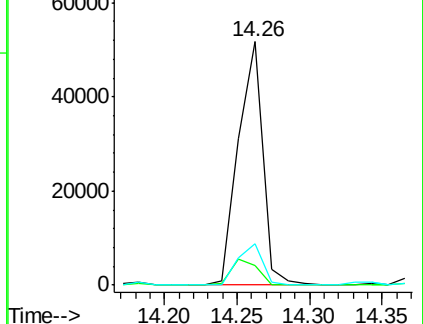
203 16.8 0.0 37.9

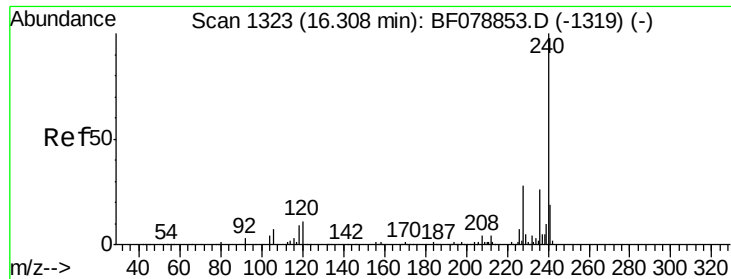


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

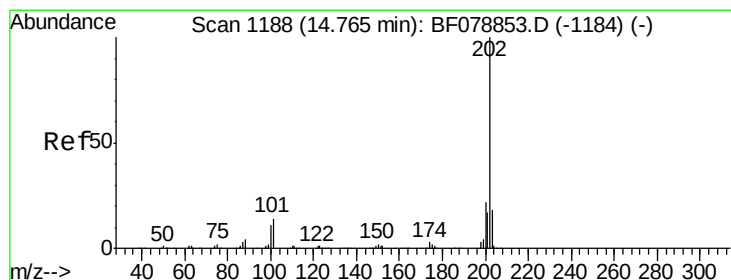
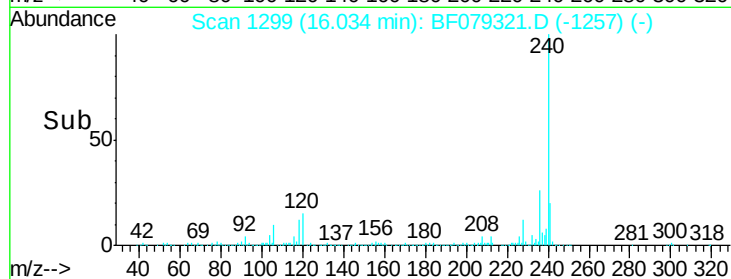
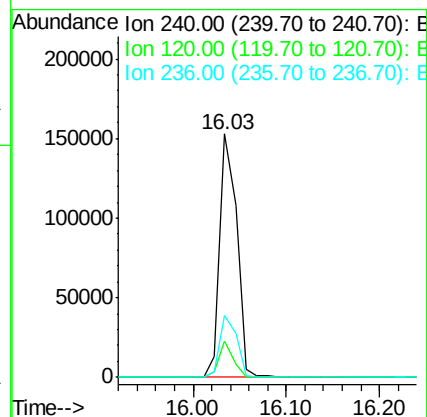
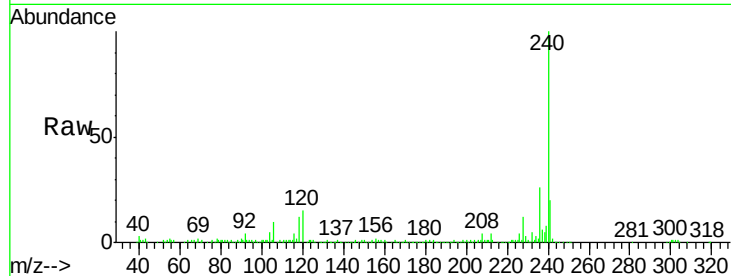




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.03 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF079321.D
Acq: 18 May 2015 23:39

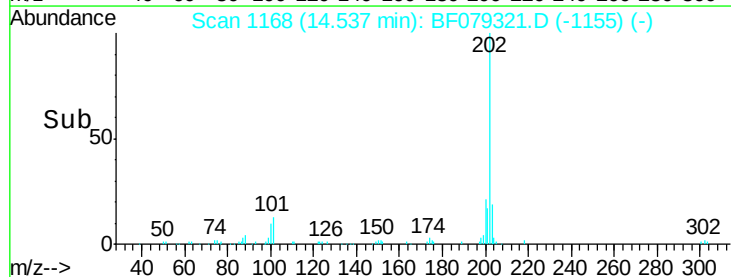
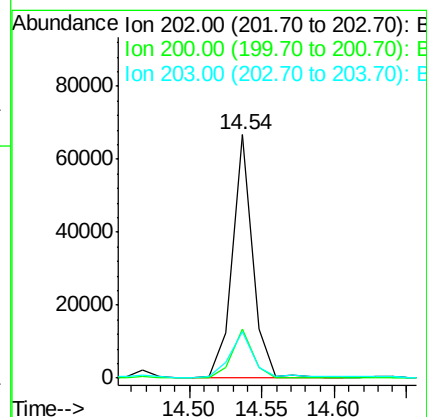
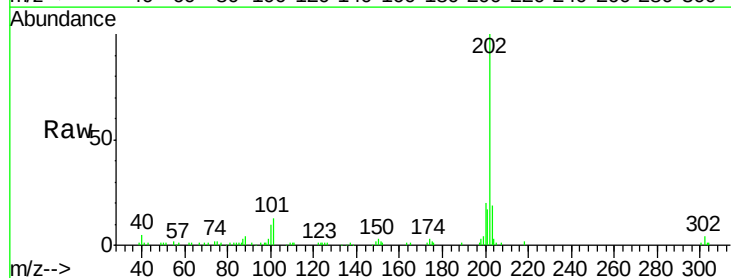
Instrument :
BNA_F
ClientSampleId :
SB-19

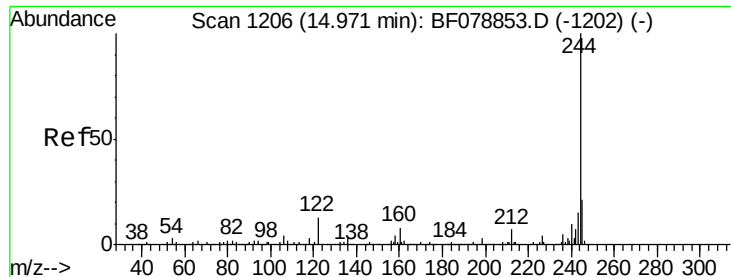
Tot Ion:240 Resp: 194857
Ion Ratio Lower Upper
240 100
120 14.9 8.6 12.8#
236 25.7 21.0 31.6



#77
Pyrene
Concen: 5.78 ng
RT: 14.54 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF079321.D
Acq: 18 May 2015 23:39

Tgt Ion:202 Resp: 64886
Ion Ratio Lower Upper
202 100
200 20.4 17.5 26.3
203 19.2 14.7 22.1





#78

Terphenyl-d14

Concen: 36.26 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Instrument :

BNA_F

ClientSampled :

SB-19

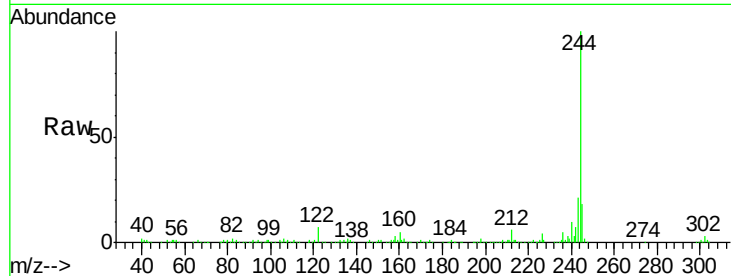
Tot Ion:244 Resp: 295097

Ion Ratio Lower Upper

244 100

212 5.8 5.6 8.4

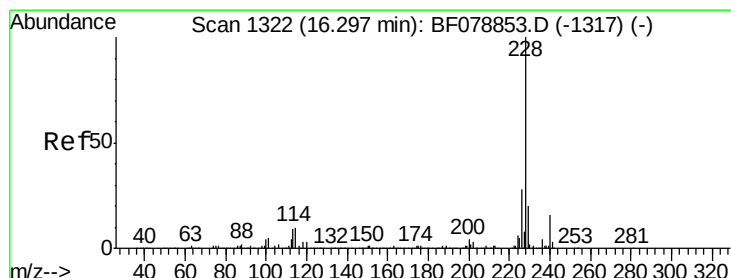
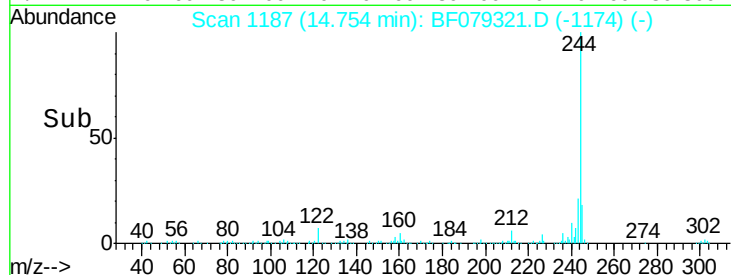
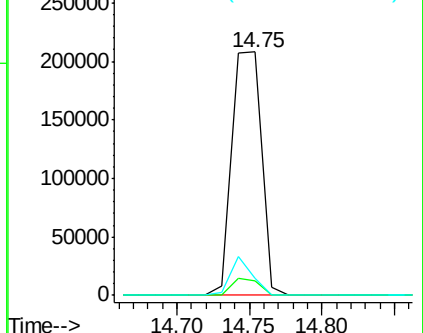
122 7.2 10.5 15.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.87 ng

RT: 16.02 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

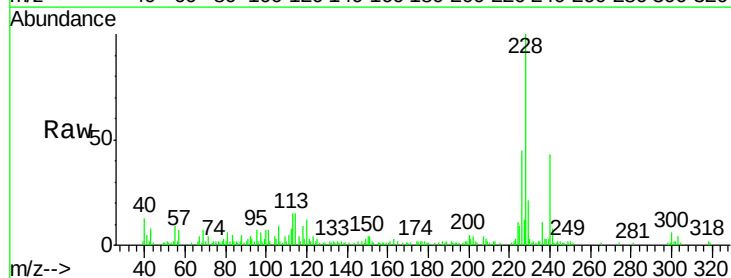
Tgt Ion:228 Resp: 41271

Ion Ratio Lower Upper

228 100

226 44.6 22.3 33.5#

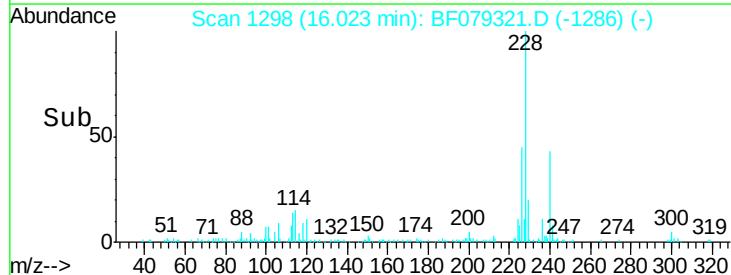
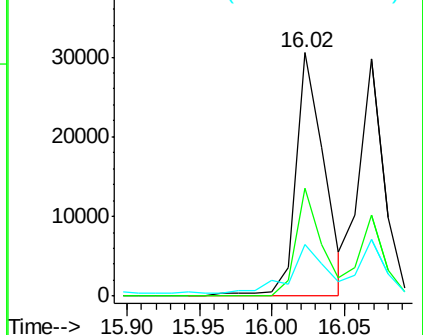
229 21.4 16.1 24.1

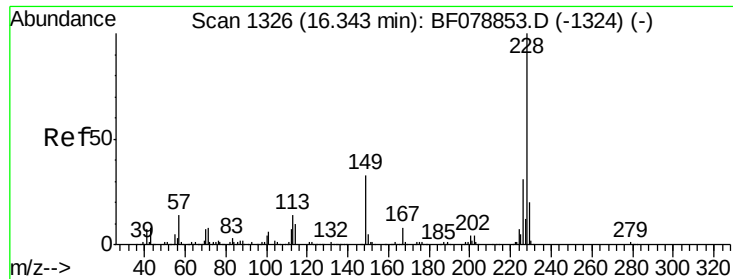


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.34 ng

RT: 16.07 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Instrument :

BNA_F

ClientSampleId :

SB-19

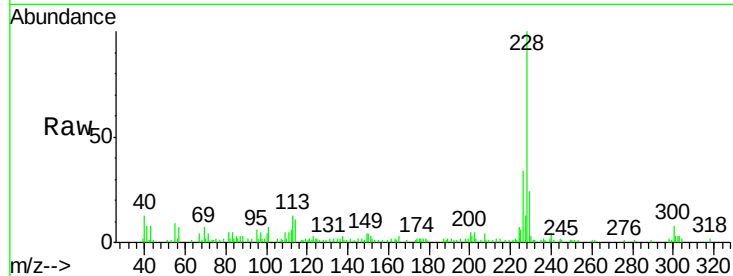
Tot Ion:228 Resp: 34279

Ion Ratio Lower Upper

228 100

226 34.1 24.8 37.2

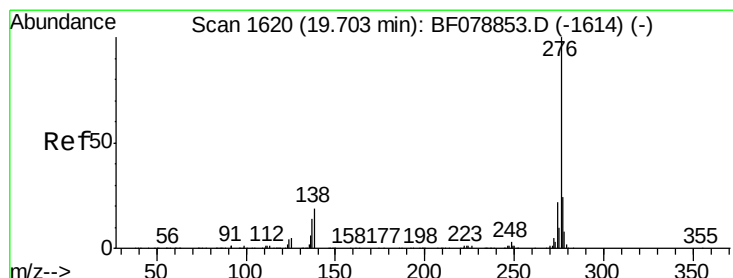
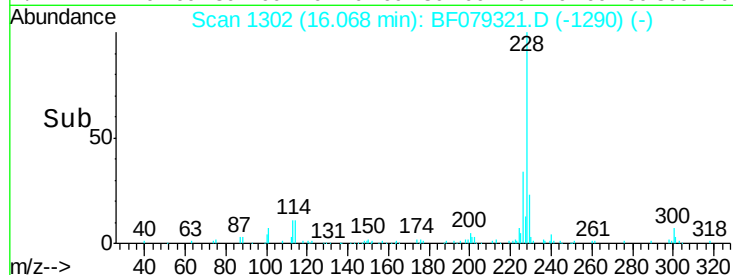
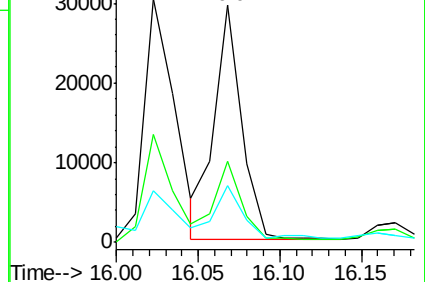
229 23.8 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.30 ng

RT: 19.15 min Scan# 1572

Delta R.T. -0.11 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

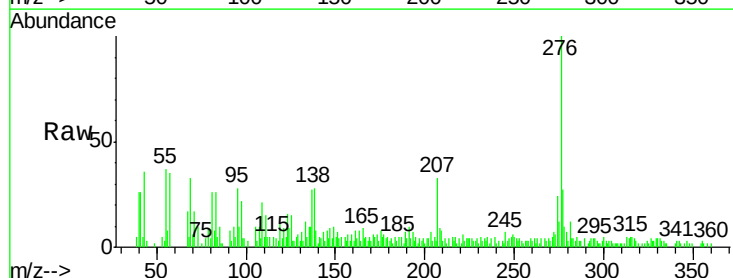
Tgt Ion:276 Resp: 30058

Ion Ratio Lower Upper

276 100

138 23.6 21.1 31.7

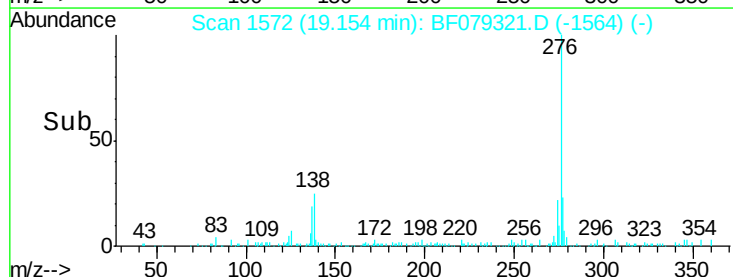
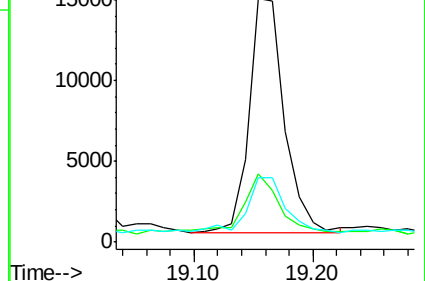
277 26.4 19.9 29.9

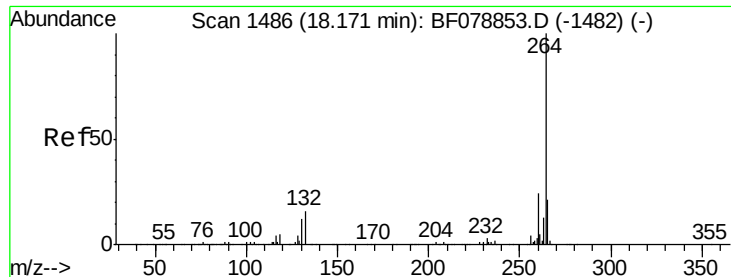


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.77 min Scan# 1451

Delta R.T. -0.08 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

Instrument :

BNA_F

ClientSampled :

SB-19

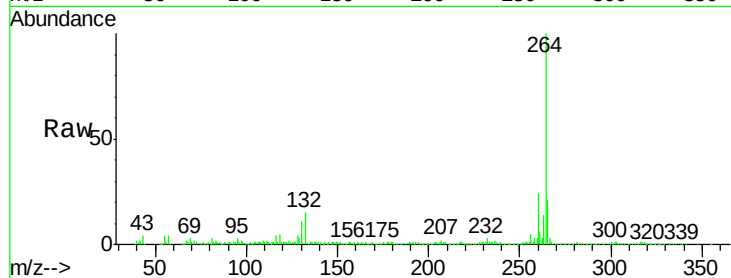
Tot Ion:264 Resp: 203058

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

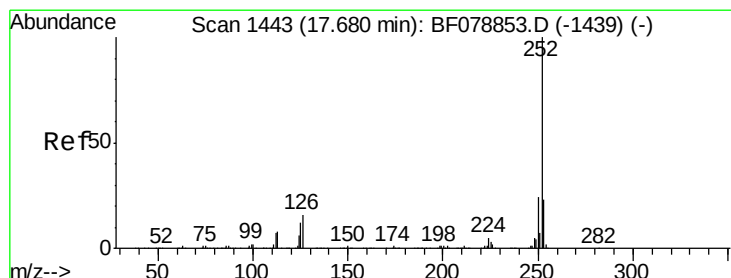
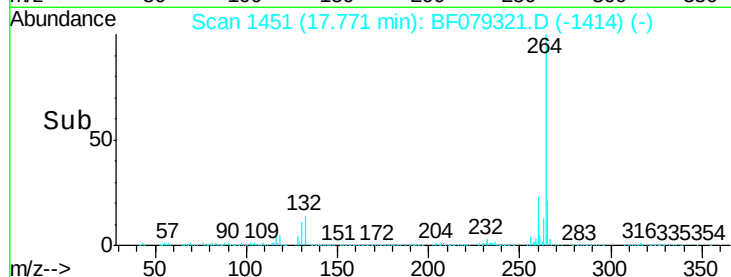
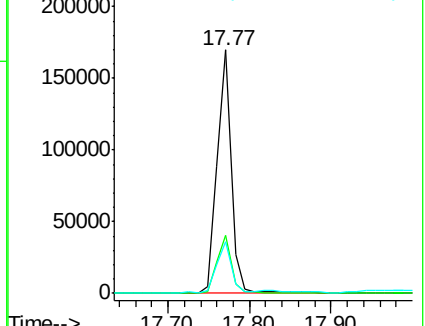
265 21.1 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 4.64 ng m

RT: 17.33 min Scan# 1412

Delta R.T. -0.07 min

Lab File: BF079321.D

Acq: 18 May 2015 23:39

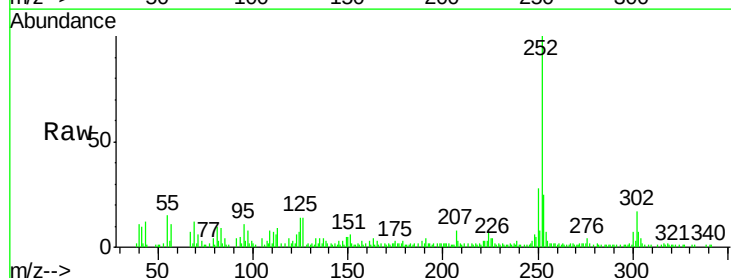
Tgt Ion:252 Resp: 51559

Ion Ratio Lower Upper

252 100

253 25.2 18.1 27.1

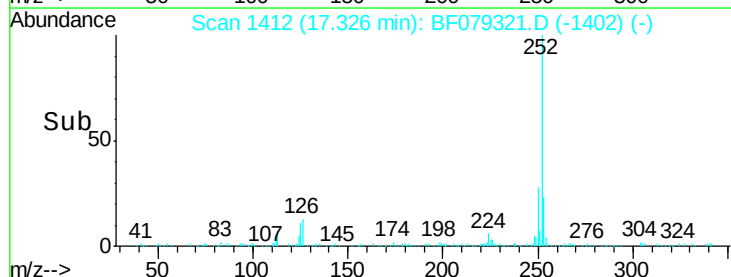
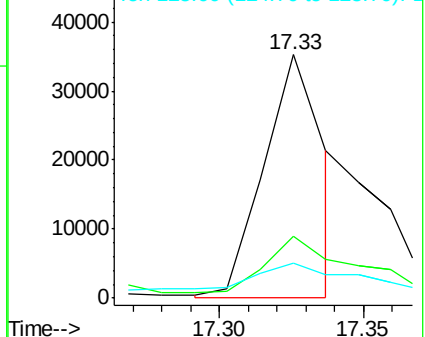
125 14.3 9.4 14.2#

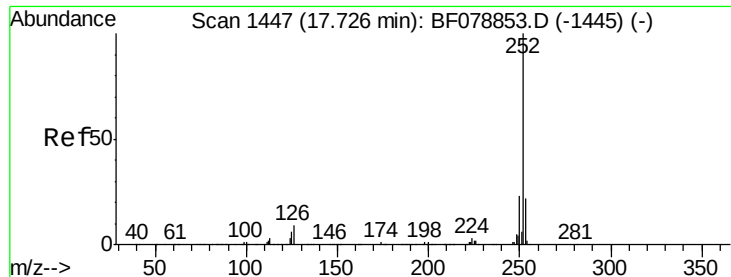


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

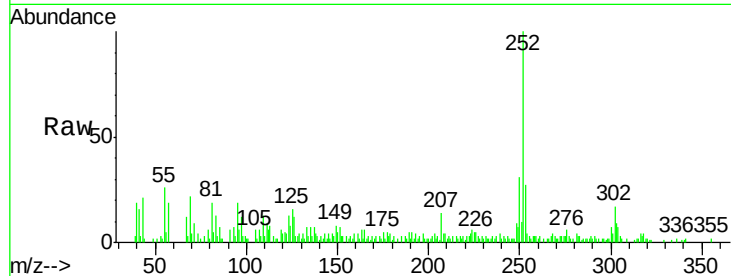




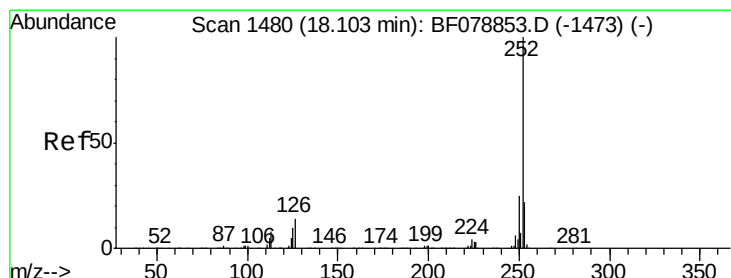
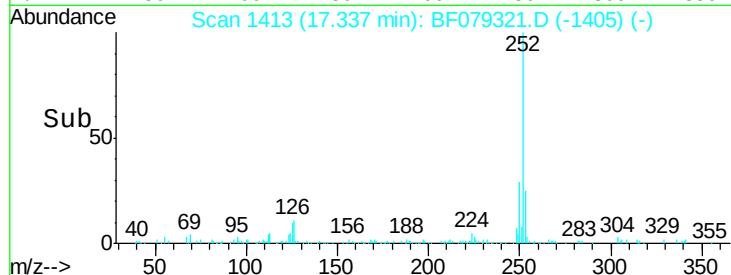
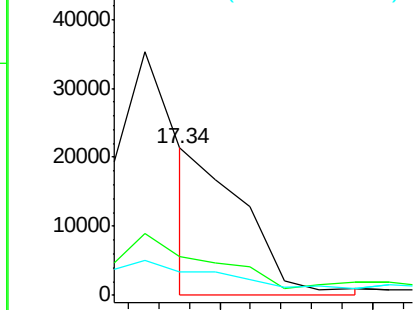
#88
Benzo(k)fluoranthene
Concen: 2.14 ng
RT: 17.34 min Scan# 1413
Delta R.T. -0.09 min
Lab File: BF079321.D
Acq: 18 May 2015 23:39

Instrument :
BNA_F
ClientSampled :
SB-19

Tot Ion:252 Resp: 22974
Ion Ratio Lower Upper
252 100
253 26.5 17.4 26.0#
125 15.9 6.1 9.1#

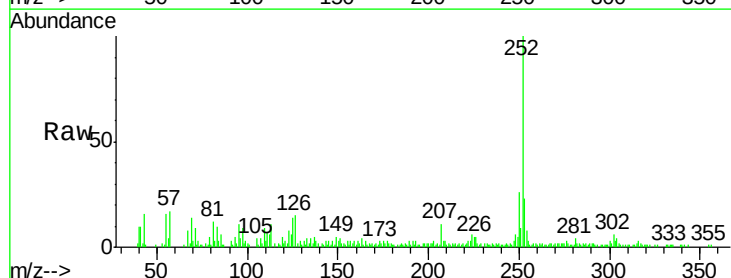


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

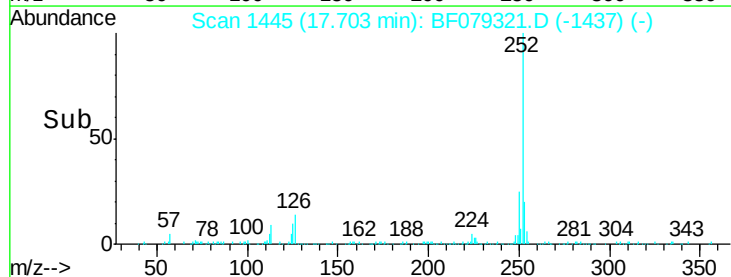
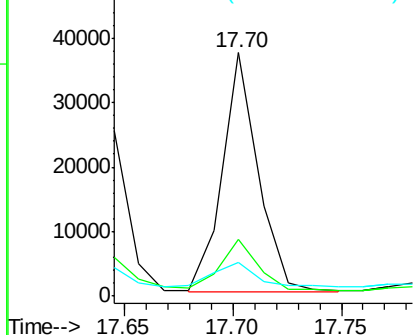


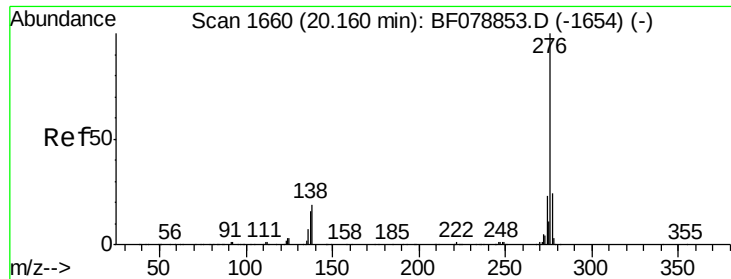
#89
Benzo(a)pyrene
Concen: 4.14 ng
RT: 17.70 min Scan# 1445
Delta R.T. -0.09 min
Lab File: BF079321.D
Acq: 18 May 2015 23:39

Tgt Ion:252 Resp: 42402
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 13.7 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.75 ng
 RT: 19.58 min Scan# 1609
 Delta R.T. -0.11 min
 Lab File: BF079321.D
 Acq: 18 May 2015 23:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-19

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.0	18.8	28.2
138	22.9	15.2	22.8

